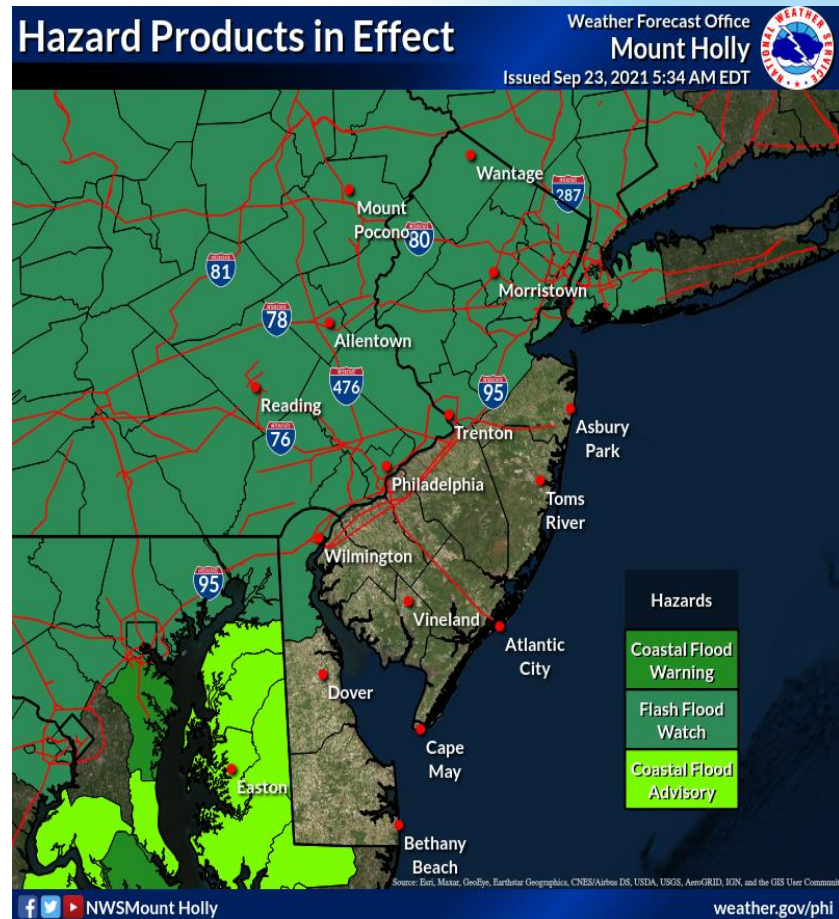


Heavy Rainfall and Severe Weather Possible Through Early Friday Morning



Decision Support Briefing #4
As of: 6 AM Thursday, September 23, 2021

What Has Changed?

- ***SLIGHT risk for excessive rainfall is now focused more over the Lehigh Valley, Southern Poconos into northern New Jersey***
- ***Minor adjustments to timing of heaviest rain to this morning through this evening***
- ***Minor adjustments to forecast rainfall: downward for parts of southern NJ and southeast PA***



Main Points

Hazard	Impacts	Location	Timing
Flash Flooding 	<p>Flooding of creeks, streams, urban areas, and poor drainage areas possible. At least localized flash flooding will be possible.</p>	<p>The entire area, but the greatest threat is across eastern PA and northern NJ, especially in the southern Poconos where flooding could be significant</p>	<p>This morning through this evening.</p>
Severe Threat 	<p>Strong to severe storms may develop. Storms will be capable of producing damaging wind gusts and isolated tornadoes, potentially bringing down trees and power lines.</p>	<p>The entire area.</p>	<p>Midday today through tonight.</p>

Summary of Greatest Impacts



Flash Flooding: Near/NW of I-95 Corridor

None

Limited

Elevated

Significant

Extreme



Flash Flooding: SE of I-95 Corridor

None

Limited

Elevated

Significant

Extreme



Strong to Severe T-storms: Entire Region

None

Limited

Elevated

Significant

Extreme



Flash Flooding Outlook

MARGINAL (MRGL)

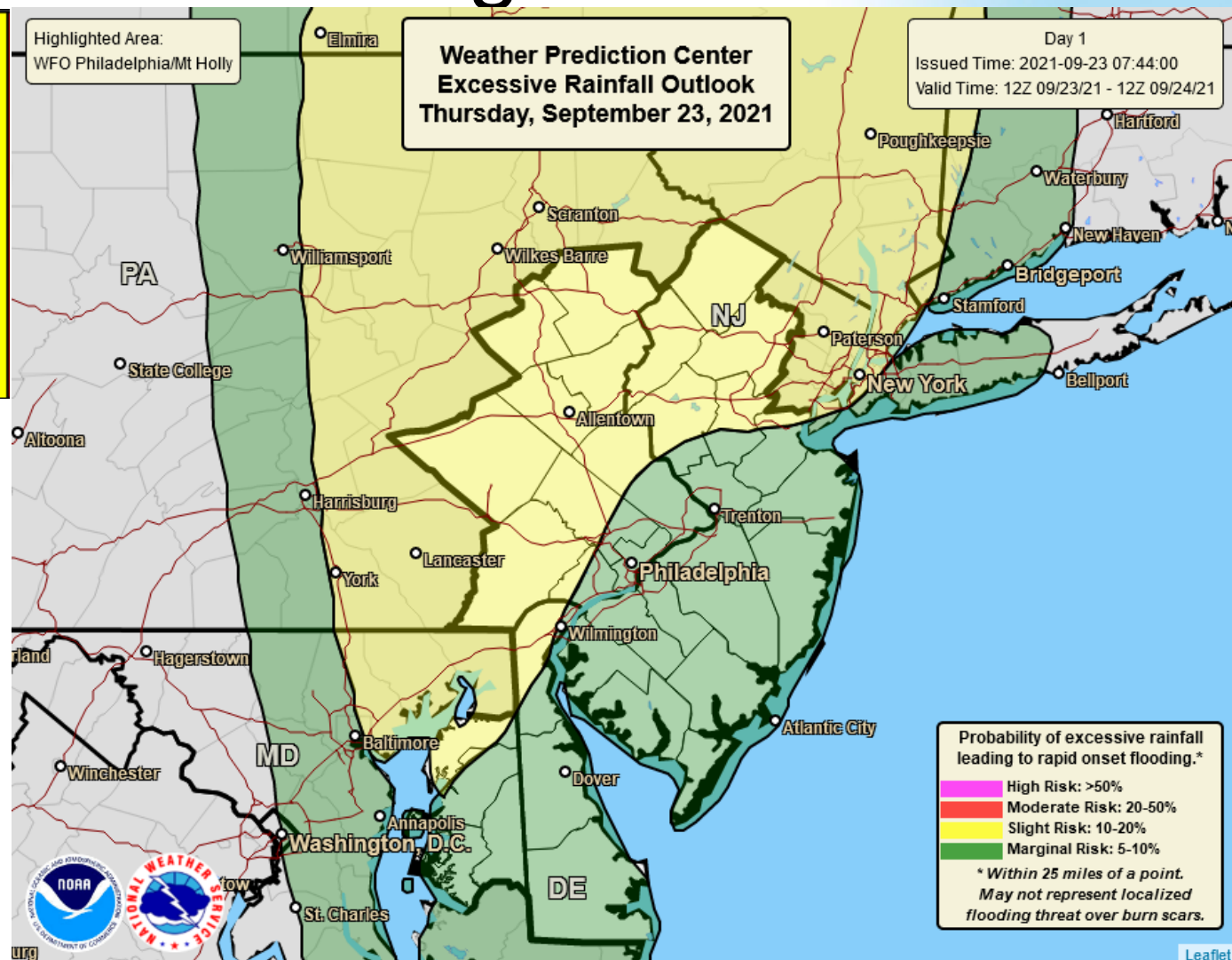
Isolated flash floods possible

Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.

SLIGHT (SLGT)

Scattered flash floods possible

Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.



Timing: This morning through this evening

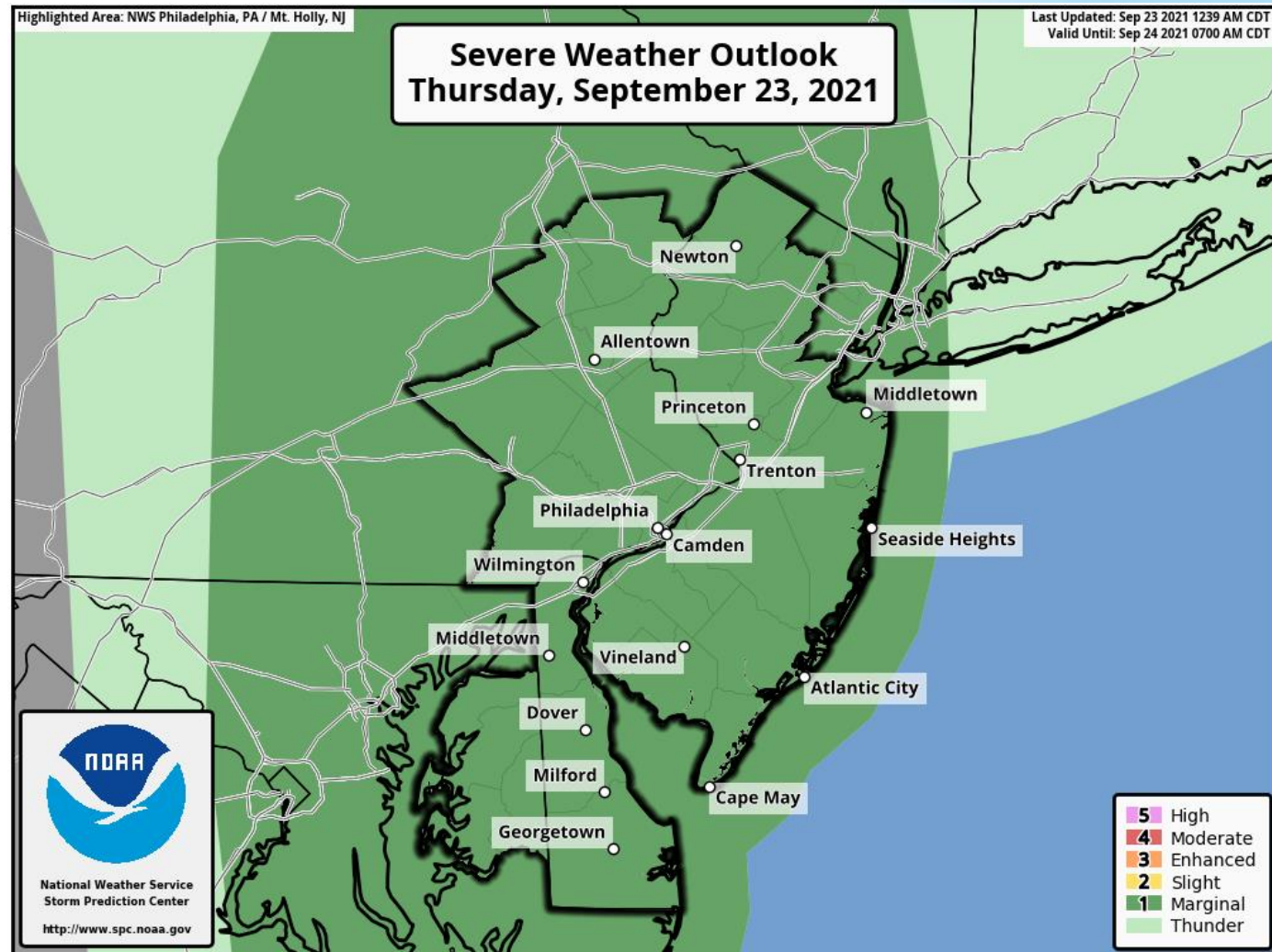
Hazards: Flash flooding of urban and poor-drainage areas as well as small creeks and streams.

Convective Weather Outlook

1 - MARGINAL (MRGL)

Isolated severe
thunderstorms
possible

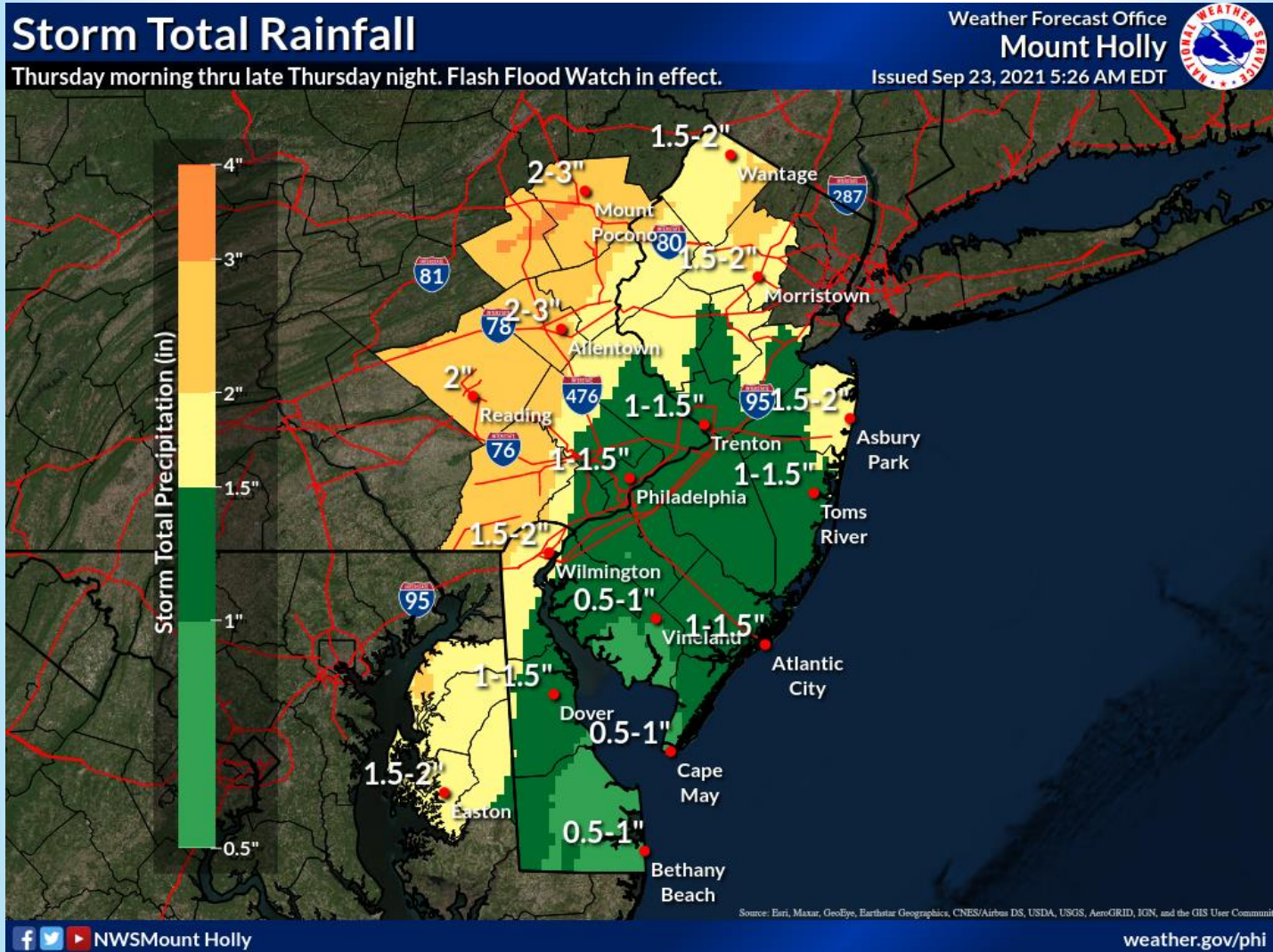
Limited in duration
and/or coverage
and/or intensity



Timing: Midday today
through tonight

Hazards: Isolated
damaging wind gusts
and isolated tornadoes
possible, with localized
tree and power line
damage.

Rainfall Amounts



Event Summary

- ✓ Showers and thunderstorms associated with a cold front will move through the region from west to east beginning this morning and continuing through tonight. Some of the storms could be strong to severe, with the following threats:
 - ✓ Flash flooding is possible, mainly along and north/west of the I-95 corridor. A widespread 1 to 3 inches of rain is expected across this region, with locally higher amounts to 5 inches possible. Much of this rainfall may occur in a short period of time, leading to the threat of flash flooding. A Flash Flood Watch remains in effect for eastern PA, northern and central NJ, and New Castle County in Delaware.
 - ✓ Damaging straight-line winds and isolated tornadoes are possible, with the main threat occurring from midday today into the early overnight hours tonight.
- ✓ Strong southerly flow in advance of the system is expected to lead to minor tidal flooding for the high tides this morning on the eastern shore of Chesapeake Bay and associated tidal tributaries. A Coastal Flood Advisory is in effect for these areas.

Contact and Next Briefing Information



Next Briefing *Final Briefing*

Briefing Webpage:
www.weather.gov/media/phi/current_briefing.pdf



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